



# Bison Oil Well Cementing

Invoice # 80284

API# 05-123-111

Foreman: AARON

Date 5/7/2011

Customer: NOBLE  
 Well Name: PAPPENHEIM 01-32

County: WELD  
 State: Colorado  
 Sec: 32  
 Twp: 7N  
 Range: 65W

Consultant: RYAN  
 Rig Name & Number: LEED # 714  
 Distance To Location: 27 MILES  
 Units On Location: 3101-4029-3214-4033  
 Time Requested: 10:30AM  
 Time Arrived On Location: 9:30AM

Time Left Location:

## Plug Job

### Well Data

OD Inches	2.375	
String Weight Per ft	4.7	
First Plug Sacks	302	
First Plug Depth	658	
Second Plug Sacks		
Second Plug Depth		
Third Plug Sacks		
Third Plug Depth		
Fourth Plug Sacks		
Fourth Plug Depth		
ID	1.995	
First Plug Displacement	2.5440	bbl
Second Plug Displacement	0.0000	bbl
Third Plug Displacement	0.0000	bbl
Fourth Plug Displacement	0.0000	bbl
bbls of Spacer Ahead	5	bbls

### bbls of Slurry

First Plug bbls of Slurry	61.8541	bbls
Second Plug bbls of Slurry	0.0000	bbls
Third Plug bbls of Slurry	0.0000	bbls
Fourth Plug bbls of Slurry	#VALUE!	bbls

### First Plug Cement Data

Cement Name:	G CEMENT
Cement Density (lb/gal) :	15.8
Cement Yield (cuft) :	1.15
Gallons Per Sack:	5.00

### Second Plug Cement Data

Cement Name:	Neat g
Cement Density (lb/gal) :	15.8
Cement Yield (cuft) :	1.15
Gallons Per Sack:	5.00

### Third Plug Cement Data

Cement Name:	neat g
Cement Density (lb/gal) :	15.8
Cement Yield (cuft) :	1.15
Gallons Per Sack:	5.00

### Fourth Plug Cement Data

Cement Name:	Neat g
Cement Density (lb/gal) :	15.8
Cement Yield (cuft) :	1.15
Gallons Per Sack:	5.00

Displacement Fluid lb/gal:	8.3
Fluid Ahead (bbls):	15.0
H2O Wash Up (bbls):	20.0

### bbls of Mix Water

First Plug bbls Mix Water	35.9524	bbls
Second Plug bbls Mix Water	0.0000	bbls
Third Plug bbls Mix Water	0.0000	bbls
Fourth Plug bbls Mix Water	#VALUE!	bbls



Authorized To Proceed

Customers hereby acknowledges and specifically agrees to the terms and condition on this work order, including, without limitation, the provisions on this work order.

